

WHAT IS CLAIMED IS:

1. A device driver comprising:
 - a code file including a plurality of code segments having corresponding segment code addresses;
 - a jump table to map segment labels to the segment code addresses, the segment labels to identify the code segments; and
 - a loader, in response to a segment request including a segment label, to query the jump table for a segment code address corresponding to the segment label, and to send a code segment corresponding to the segment label.
2. The device driver of Claim 1 wherein the code file further includes a human readable description.
3. The device driver of Claim 1 wherein the code file further includes build information.
4. The device driver of Claim 1 wherein the jump file further includes relative segment addresses that are overwritten by the segment code addresses.
5. The device driver of Claim 1 wherein the segment code address includes a segment start address.

6. The device driver of Claim 5 wherein the segment code address further includes a segment end address and a segment size.

7. The device driver of Claim 1 wherein the loader loads the code file and the jump table into a host memory.

8. A method comprising:
 - receiving a download request from a processor for a code segment;
 - querying a jump table to determine a segment code address corresponding to the code segment; and
 - downloading the code segment to the processor.

9. The method of Claim 8 further comprising using a segment label to identify the code segment.

10. The method of Claim 9 further comprising using the jump table to map the segment label to the segment code address.

11. The method of Claim 10 further comprising initially loading the jump table with relative code segment addresses; and

computing segment code addresses as a function of
the relative code segment addresses and a conversion factor.

12. The method of Claim 11 wherein computing includes adding an offset to each of the relative code segment addresses; and

overwriting the relative code segment addresses with the segment code addresses.

13. A device driver comprising:

a loader to load a code file and a jump table into host memory;

the code file including at least two code segments, each code segment having a segment code address;

the jump table to map each segment code address to segment labels corresponding to the code segments;

the loader, in response to a segment request including a segment label, to query the jump table for the segment code address corresponding to the segment label, and to send a code segment corresponding to the segment label.

14. The device driver of Claim 13 wherein the jump file further includes relative segment addresses that are overwritten by the segment code addresses.

15. The device driver of Claim 13 wherein the segment code address includes a segment start address.

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17. A machine accessible medium which when accessed results in a machine performing operations comprising:

- receiving a download request from a processor for a code segment;
- querying a jump table to determine a segment code address corresponding to the code segment; and
- downloading the code segment to the processor.

18. The machine accessible medium of Claim 17 which when accessed results in a machine performing operations further comprising identifying the code segment with a segment label.

19. The machine accessible medium of Claim 17 wherein the jump table maps the segment identifier to the segment code address.

20. The machine accessible medium of Claim 19 which when accessed results in a machine performing operations further including:

initially loading the jump table with relative code
segment addresses; and

computing segment code addresses as a function of the relative code segment addresses and a conversion factor.

21. A machine readable medium including machine readable instructions that when executed by a machine, cause the machine to:

receive a download request from a processor for a code segment;

query a jump table to determine a segment code address corresponding to the code segment; and

download the code segment to the processor.

22. The machine readable medium of Claim 21 further including machine readable instructions that when executed by a machine, cause the machine to identify the code segment with a segment label.

23. The machine readable medium of Claim 21 wherein the jump table maps the segment identifier to the segment code address.

24. The machine readable medium of Claim 23 further including machine readable instructions that when executed by a machine, cause the machine to:

initially load the jump table with relative code
segment addresses; and
compute segment code addresses as a function of the
relative code segment addresses and a conversion factor.